

**Attorney Docket No. CNTW-022/01US**

**PATENT**

Express Mail Label Number: EL 870631116 US  
Date of Deposit: December 8, 2003

I hereby certify that this correspondence is being deposited with the United States Postal Service with sufficient postage as Express Mail in an envelope addressed to the Mail Stop Patent Application, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on December 8, 2003.

By: Sherry Duncan Bitler  
Sherry Duncan Bitler

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re application of John STRASSNER, et al. Confirmation No.: [Not Yet Assigned]  
Serial No.: [Not Yet Assigned] Examiner: [Not Yet Assigned]  
Filed: December 8, 2003 Art Unit: [Not Yet Assigned]  
FOR: APPARATUS AND METHOD FOR IMPLEMENTING NETWORK RESOURCES TO  
PROVISION A SERVICE USING AN INFORMATION MODEL

---

Mail Stop Patent Application  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

**INFORMATION DISCLOSURE STATEMENT  
UNDER 37 C.F.R. §1.97(b)**

In accordance with the duty of disclosure set forth in 37 C.F.R. §1.56,  
Applicant(s) hereby submits the following information in conformance with 37 C.F.R.  
§§1.97 and 1.98.

- ☒ Pursuant to 37 C.F.R. §1.98, a copy of each document cited in the attached Form PTO/SB/08 is enclosed.
- ☐ No copies of the publications listed on the attached Form PTO/SB/08A are being provided pursuant to 37 C.F.R. §1.98(d) because the publications were previously cited by or submitted to the Office in prior Application Serial No. \_\_\_ to which the above-identified application claims priority under 35 U.S.C. §120.
- ☐ Publication(s) \_\_\_ listed on the attached Form PTO/SB/08A were cited in a foreign search or examination report corresponding to \_\_\_ application serial no. \_\_\_ and mailed on \_\_\_.

- ☐ Enclosed is a copy of a non-English publication(s) \_\_\_\_\_. Pursuant to §609 of the M.P.E.P., Applicant submits the attached foreign search or examination report, which cites such non-English language publication(s).
- ☐ Enclosed is a copy of a non-English publication(s) \_\_\_\_\_. English language publication \_\_\_\_ (copy enclosed) claims priority from this non-English publication.
- ☐ Enclosed is an explanation of non-English publication(s) \_\_\_\_\_ for which an English translation is not available.
- ☐ Enclosed is an English translation of non-English publication(s) \_\_\_\_\_ cited in the attached Form PTO/SB/08A.
- ☐ Enclosed is a copy of pending patent Application Serial No. \_\_\_\_\_.

This Information Disclosure Statement is filed within any one of the following time periods:

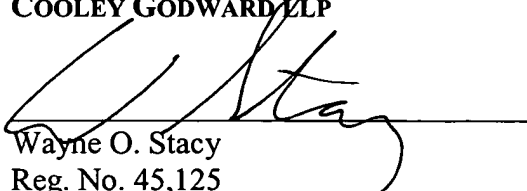
- ☒ within three months from the filing date of this national application other than a CPA under 37 C.F.R. § 1.53(d);
- ☐ within three months from the date of entry of the national stage as set forth in 37 C.F.R. §1.491 in this international application;
- ☐ before the mailing date of a first office action on the merits; or
- ☐ before the mailing of a first office action after the filing of a request for continued examination under 37 C.F.R. § 1.114.

It is respectfully requested that the Examiner consider the above-noted information and return an initialed copy of the attached Form PTO/SB/08A to the undersigned.

COOLEY GODWARD LLP  
ATTN: Patent Group  
One Freedom Square  
Reston Town Center  
11951 Freedom Drive  
Reston, VA 20190-5656  
Tel: (720) 566-4125  
Fax: (720) 566-4099

Respectfully submitted,  
COOLEY GODWARD LLP

By:

  
Wayne O. Stacy  
Reg. No. 45,125

Please type a plus sign (+) inside this box →

+

PTO/SB/08A (08-00)

Substitute for form 1449A/PTO  <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  (use as many sheets as necessary)				<i>Complete if Known</i>	
				Application Number	[Not Yet Assigned]
				Filing Date	12/08/2003
				First Named Inventor	John Strassner et al.
				Group Art Unit	[Not Yet Assigned]
				Examiner Name	[Not Yet Assigned]
Sheet	1	of	4	Attorney Docket Number	CNTW-022/01US

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. <sup>1</sup>	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY
		Number	Kind Code <sup>2</sup> (if known)		
		4,991,089		Shorter, David U.	02/05/1991
		5,109,486		Seymour, Leslie G.	04/28/1992
		5,159,685		Kung	10/27/1992
		5,442,791		Wrabetz et al.	08/15/1995
		5,519,704		Farinacci et al.	05/21/1996
		5,557,748		Noris, David	09/17/1996
		5,724,509		Starkweather et al.	03/03/1998
		5,751,967		Raab et al.	05/12/1998
		5,764,955		Doolan	06/09/1998
		5,784,702		Greenstein et al.	07/21/1998
		5,787,246		Lichtman et al.	07/28/1998
		5,796,732		Mazzola et al.	08/18/1998
		5,819,028		Manghirmalani et al.	10/06/1998
		5,832,503		Malik et al.	11/03/1998
		5,838,918		Prager et al.	11/17/1998
		5,842,040		Hughes et al.	11/24/1998
		5,852,740		Estes, Mark D.	12/22/1998
		5,872,928		Lewis et al.	02/16/1999
		5,884,028		Kindell et al.	03/16/1999
		5,889,953		Thebaut et al.	03/30/1999
		5,944,782		Noble et al.	08/31/1999
		5,948,065		Eilert et al.	09/07/1999
		5,961,594		Bouvier et al.	10/05/1999
		5,968,122		Schlosser et al.	10/19/1999
		5,974,236		Sherman, Michael J.	10/26/1999
		5,980,078		Krivoshein et al.	11/09/1999
		6,006,035		Nabahi, Narimane	12/21/1999
		6,016,306		Le Boudec et al.	01/18/2000
		6,023,586		Gaisford et al.	02/08/2000
		6,028,846		Cain, Michael E.	02/22/2000
		6,041,347		Harsham et al.	03/21/2000
		6,049,828		Dev et al.	04/11/2000
		6,055,568		Adams, Robert	04/25/2000
		6,097,697		Yao et al.	08/01/2000
		6,098,101		Sears, Thomas R.	08/01/2000

Examiner Signature		Date Considered	
-----------------------	--	--------------------	--

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup> Unique citation designation number.

<sup>2</sup> See attached Kinds of U.S. Patent Documents.

Please type a plus sign (+) inside this box →



PTO/SB/08A (08-00)

Substitute for form 1449A/PTO  <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  <i>(use as many sheets as necessary)</i>				<b>Complete if Known</b>	
				Application Number	[Not Yet Assigned]
				Filing Date	12/08/2003
				First Named Inventor	John Strassner et al.
				Group Art Unit	[Not Yet Assigned]
Examiner Name	[Not Yet Assigned]				
Sheet	2	of	4	Attorney Docket Number	CNTW-022/01US

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. <sup>1</sup>	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY
		Number	Kind Code <sup>2</sup> (if known)		
		6,098,108		Sridhar et al.	08/01/2000
		6,101,508		Wolff, James J.	08/08/2000
		6,104,700		Haddock et al.	08/15/2000
		6,105,069		Franklin et al.	08/15/2000
		6,108,699		Moiin, Hossein	08/22/2000
		6,108,703		Leighton et al.	08/22/2000
		6,122,664		Boukobza et al.	09/19/2000
		6,128,729		Kimball et al.	10/03/2000
		6,131,118		Stupek, Jr. et al.	10/10/2000
		6,131,119		Fukui, Toshiharu	10/10/2000
		6,154,776		Jean-Christophe Martin	11/28/2000
		6,167,445		Gai et al.	12/26/2000
		6,170,009 B1		Mandal et al.	01/02/2001
		6,182,094 B1		Humpleman et al.	01/30/2001
		6,198,479 B1		Humpleman et al.	03/06/2001
		6,243,747 B1		Lewis et al.	06/05/2001
		6,269,398 B1		Leong et al.	07/31/2001
		6,349,306 B1		Malik et al.	02/19/2002
		6,381,631 B1		Van Hoff	04/30/2002
		6,393,425 B1		Kelly, Stephen	05/21/2002
		6,442,608 B1		Knight et al.	08/27/2002
		6,449,638 B1		Wecker et al.	09/10/2002

Examiner Signature		Date Considered	
-----------------------	--	--------------------	--

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup> Unique citation designation number.

<sup>2</sup> See attached Kinds of U.S. Patent Documents.

Please type a plus sign (+) inside this box →



PTO/SB/08A (08-00)

Substitute for form 1449A/PTO  <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  <i>(use as many sheets as necessary)</i>				<b>Complete if Known</b>	
				Application Number	[Not Yet Assigned]
				Filing Date	12/08/2003
				First Named Inventor	John Strassner et al.
				Group Art Unit	[Not Yet Assigned]
				Examiner Name	[Not Yet Assigned]
Sheet	3	of	4	Attorney Docket Number	CNTW-022/01US

FOREIGN PATENT DOCUMENTS							
Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document			Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	T <sup>4</sup>
		Office <sup>1</sup>	Number <sup>2</sup>	Kind Code <sup>3</sup> (if known)			
		EP	0 384 339 A2		Pitkin et al.	08/29/1990	
		EP	0 973 296 A2		Mandal et al.	01/19/2000	
		EP	0 993 725 A1		Sridhar et al.	04/19/2000	
		EP	1 012 726 A1		Hughes et al.	06/28/2000	
		EP	1 026 867 A2		Soncodi et al.	08/09/2000	
		EP	1 047 226 A2		Miyake et al.	10/25/2000	
		EP	1 090 492 A1		Jacobson et al.	04/11/2001	
		EP	1 091 526 A2		Ebata et al.	04/11/2001	
		EP	0 810 755 A2		Thompson	12/03/1997	
		EP	0 762 281 A3		IBM	03/31/1999	
		EP	1 011 230 A2		Siemens Inf. & Comm. Networks	06/21/2000	
		GB	2 368 692 A		Jacobs et al.	05/08/2002	
		WO	98/24208		Muirhead et al.	06/04/1998	
		WO	99/01968		Sridhar et al.	01/14/1999	
		WO	99/11003		Haddock et al.	03/04/1999	
		WO	99/67931		Jacobson	12/29/1999	
		WO	00/04665		Sitara Networks et al.	01/27/2000	
		WO	00/41091		3Com Corporation et al.	07/13/2000	
		WO	01/01293 A2		Jacobs Rimell Limited	01/04/2001	
		WO	01/19031 A1		Putzolu et al.	03/15/2001	
		WO	01/47185 A2		Wiryaman et al.	06/28/2001	
		WO	01/47186 A2		Wiryaman et al.	06/28/2001	
		WO	95/08794		Gilbert, et al.	03/30/1995	
		WO	02/47332 A2		Tindal, et al.	06/13/2002	
		WO	95/24802 A		British Telecom; Cox, Simon Andrew (GB); Gittins, Christopher John	09/14/1995	
		WO	98/18235 A		MCI Communications Corp; Caterisano, Terry A.	04/30/1998	

Examiner Signature		Date Considered	
--------------------	--	-----------------	--

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3).

<sup>2</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document.

<sup>3</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible.

<sup>4</sup> Applicant is to place a check mark here if English language Translation is attached.

Please type a plus sign (+) inside this box →



PTO/SB/08A (08-00)

Substitute for form 1449A/PTO  <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  <i>(use as many sheets as necessary)</i>				<i>Complete if Known</i>	
				Application Number	[Not Yet Assigned]
				Filing Date	12/08/2003
				First Named Inventor	John Strassner et al.
				Group Art Unit	[Not Yet Assigned]
				Examiner Name	[Not Yet Assigned]
Sheet	4	of	4	Attorney Docket Number	CNTW-022/01US

OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS				
Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>	
		"FFST/2 Generic Alert Router for LAN and SNA Transports," IBM Technical Disclosure Bulletin, IBM Corp. New York, US, vol. 34, no. 11, 1 April 1992, pgs. 467-468, XP000303331, ISSN: 0018-8689		
		ISM Customer - Aware™ Deep Discovery™; CoManage Corporation; As of December 5, 2000 (2 pages)		
		ISM Customer - Aware™ Fault and Performance Management; CoManage Corporation; As of December 5, 2000 (2 pages)		
		ISM Customer - Aware™ Provisioning; CoManage Corporation; As of December 5, 2000 (2 pages)		
		ISM Customer – Aware™ Query; CoManage Corporation; As of December 5, 2000 (2 pages)		
		ISM Customer - Aware™ Service Profiling; CoManage Corporation; As of December 5, 2000 (2 pages)		
		Kennedy T W: "Network Operations & Management Tool Requirements for the 90s" Proceedings of the Network Operations and Management Symposium (NOMS). Memphis, Apr. 6-9, 1992, New York, IEEE, U.S. Vol. 1, 1992, pgs 122-132		
		Lee, W.C. et al: "Routing Subject to Quality of Service Constraints in Integrated Communication Networks" IEEE Network, IEEE Inc. New York, US, vol. 9, no. 4, 1 July 1995 (1995-07-01), pages 46-55, XP000526591, ISSN: 0890-8044 the whole document		
		Managing Managed Network Services: The Service Provider Blind Spot; Infonetics Research, The Networking Information Source; June 2000 (18 pages)		
		PCT/US 01/45668 – International Search Report dated 10/16/2002		
		PCT/US 01/45669 – International Search Report dated 10/16/2002		
		PCT/US 01/45670 – International Search Report dated 12/20/2002		
		PCT/US 01/45671 – International Search Report dated 10/16/2002		
		PCT/US 01/45671 – Written Opinion dated 12/13/2002		
		PCT/US 01/45672 – International Search Report dated 04/14/2003		
		Torrente, S, et al: "Implementation of the ANSI T1M1.5 GBM-T1.214 within an ODBMS framework" Networking: Foundation for the Future, San Francisco, Mar. 28 – April 1, 1993, Proceedings of the Annual Joint Conference of the Computer and Communications Societies (INFOCOM), Los Alamitos, IEE Comp. Soc. Press, US, vol. 2 CONF. 12, 28 March 1993, pgs. 875-884, XP010032227, ISBN: 0-8186-3580-0		
		Williams, R. "Web Based Enterprise Management W101" DMTF 1999 Annual Conference, 'Online! 15-16 June 1999, pgs 1-21		
		Wolfson, Ouri et al.: "Managing Communication Networks by Monitoring Databases", IEEE Transactions on Software Engineering, IEEE Inc. New York, US, vol. 17, no. 9 1 September 1991, pgs. 944-953		
		STRASSNER, JOHN: Technology Series – <i>Directory Enabled Networks</i> , 1999; MacMillan Technical Publishing USA		
		DECA, Rudy, CHERKAOUI, Omar, and PUCHE, Daniel, <i>A Validation Solution for Network Configuration</i> , January 2002, pgs. 1-17		

Examiner Signature		Date Considered	
--------------------	--	-----------------	--

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup> Unique citation designation number.

<sup>2</sup> Applicant is to place a check mark here if English language Translation attached.